

What is claimed is:

1. A wide angle image pickup apparatus comprising:  
a solid-state image device containing a standard image  
5 pickup region in which image pickup devices of a number  
corresponding to the number of horizontal scanning lines of  
a video image signal in accordance with standard television  
system are arranged in a vertical direction and a peripheral  
image pickup region which is provided at least on vertically  
10 top and vertically bottom of said standard image pickup region  
and in which multiple image pickup devices are arranged in  
the vertical direction; and

15 a reduction processing means for reducing a pixel  
signal outputted from the standard image pickup region and  
peripheral image pickup region of said solid-state image  
device so as to output a video signal having said number of  
the horizontal scanning lines.

2. A wide angle image pickup apparatus according to  
20 claim 1 wherein said solid-state image device reads out a  
pixel signal from said standard image pickup region and  
peripheral image pickup region and

25 said reduction processing means contains a memory means  
in which a pixel signal outputted from said solid-state image  
device is written and read out synchronously with a vertical  
synchronous signal of said video signal.

3. A wide angle image pickup apparatus according to  
claim 1 further including normal image pickup mode and  
30 reduction image pickup mode, wherein

35 under said normal image pickup mode, a pixel signal  
outputted from the standard image pickup region of said  
solid-state image device is outputted as said video signal  
without said reduction processing by said reduction  
processing means, and

under said reduction image pickup mode, a pixel signal

outputted from the standard image pickup region and peripheral image pickup region of said solid-state image device is outputted as said video signal with said reduction processing by said reduction processing means.

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4. A wide angle image pickup apparatus according to claim 3 wherein said memory means is capable of carrying out write and read of said pixel signal at the same time and under said reduction image pickup mode, said solid-state image 10 device starts output of pixel signals corresponding to a screen at such a timing that a output completion timing of the pixel signal of a screen coincides with a timing of a vertical synchronous signal of said video signal.

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5. A wide angle image pickup apparatus having a solid-state image device containing a standard image pickup region in which image pickup devices of a number corresponding to the number of horizontal scanning lines of a video image signal in accordance with standard television system are 20 arranged in a vertical direction and a peripheral image pickup region which is provided at least on vertically top and vertically bottom of said standard image pickup region and in which multiple image pickup devices are arranged in the vertical direction,

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said wide angle image pickup apparatus further containing a moving image output mode for outputting said video signal which is a moving image based on a pixel signal outputted from at least the standard image pickup region of said solid-state image device and a still image output mode 30 for outputting pixel signals corresponding to a screen outputted from the standard image pickup region and peripheral image pickup region of said solid-state image device.